

INSTALLATION INSTRUCTIONS

FRONT RETURN AIR HANDLERS

EARTH-FRIENDLY R-410A REFRIGERANT: 

RFIT High Efficiency

RFIP Standard Efficiency



RECOGNIZE THIS SYMBOL AS AN INDICATION OF IMPORTANT SAFETY INFORMATION!

▲WARNING

These instructions are intended as an aid to qualified licensed service personnel for proper installation, adjustment and operation of this unit. Read these instructions thoroughly before attempting installation or operation. Failure to follow these instructions may result in improper installation, adjustment, service or maintenance possibly resulting in fire, electrical shock, property damage, personal injury or death.



DO NOT DESTROY THIS MANUAL

PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE BY A SERVICEMAN



5.5 ELECTRICAL DATA – BLOWER MOTOR ONLY – NO ELECTRIC HEAT

5.5A Electrical Data – Blower Motor Only – No Electric Heat: RFIP

MODEL/ NOMINAL COOLING TONS	VOLTAGE	PHASE	HERTZ	HP	RPM	SPEEDS	CIRCUIT AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM CIRCUIT PROTECTION
RFIP18	208/230	1	60	1/5	1075	2	1.5	3	15
RFIP24	208/230	1	60	1/5	1075	2	1.5	3	15
RFIP30	208/230	1	60	1/4	1075	2	2.5	4	15
RFIP36	208/230	1	60	1/3	1075	2	2.5	4	15

5.5B Electrical Data – Blower Motor Only – No Electric Heat: RFIT

MODEL/ NOMINAL COOLING TONS	VOLTAGE	PHASE	HERTZ	HP	RPM	SPEEDS	CIRCUIT AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM CIRCUIT PROTECTION
1.5	208/230	1	60	1/3	300-1100	4	1.6	3	15
2	208/230	1	60	1/3	300-1100	4	1.6	3	15
2.5	208/230	1	60	1/2	300-1100	4	2.7	4	15
3	208/230	1	60	1/2	300-1100	4	2.7	4	15

*Blower motors are all single phase motors.

5.6 ELECTRICAL DATA – WITH ELECTRIC HEAT

Installation of the UL Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

5.6A ELECTRICAL DATA – WITH ELECTRIC HEAT: RFIP/RFIT

COOLING CAPACITY TONS	MODEL NO.	HEATER KW (208/240V)	PH/HZ	NO. ELEMENTS - KW PER	TYPE SUPPLY CIRCUIT	CIRCUIT AMPS.	MOTOR AMPACITY	MINIMUM CIRCUIT AMPACITY	MAXIMUM CIRCUIT PROTECTION
RFIP/RFIT 18	RXHJ-21B03J	2.25/3.0	1/60	1-3.0	SINGLE	10.8/12.5	1.5	16/18	20/20
	RXHJ-21B05J	3.6/4.8	1/60	1-4.8	SINGLE	17.3/20.0	1.5	24/27	25/30
	RXHJ-21B08J	5.4/7.2	1/60	2-3.6	SINGLE	26.0/30.0	1.5	35/40	35/40
RFIP/RFIT 24	RXHJ-21B03J	2.25/3.0	1/60	1-3.0	SINGLE	10.8/12.5	1.5	16/18	20/20
	RXHJ-21B05J	3.6/4.8	1/60	1-4.8	SINGLE	17.3/20.0	1.5	24/27	25/30
	RXHJ-21B08J	5.4/7.2	1/60	2-3.6	SINGLE	26.0/30.0	1.5	35/40	35/40
	RXHJ-21B10J	7.2/9.6	1/60	2-4.8	SINGLE	34.6/40.0	1.5	46/52	50/60
RFIP/RFIT 30	RXHJ-24B03J	2.25/3.0	1/60	1-3.0	SINGLE	10.8/12.5	2.5	17/19	20/20
	RXHJ-24B05J	3.6/4.8	1/60	1-4.8	SINGLE	17.3/20.0	2.5	25/29	25/30
	RXHJ-24B08J	5.4/7.2	1/60	2-3.6	SINGLE	26.0/30.0	2.5	36/41	40/45
	RXHJ-24B10J	7.2/9.6	1/60	2-4.8	SINGLE	34.6/40.0	2.5	47/54	50/60
RFIP/RFIT 36	RXHJ-24B03J	2.25/3.0	1/60	1-3.0	SINGLE	10.8/12.5	2.5	17/19	20/20
	RXHJ-24B05J	3.6/4.8	1/60	1-4.8	SINGLE	17.3/20.0	2.5	25/29	25/30
	RXHJ-24B08J	5.4/7.2	1/60	2-3.6	SINGLE	26.0/30.0	2.5	36/41	40/45
	RXHJ-24B10J	7.2/9.6	1/60	2-4.8	SINGLE	34.6/40.0	2.5	47/54	50/60

NOTES:

- Electric heater BTUH - (heater watts + motor watts) x 3.414 (see airflow table for motor watts.)
- Supply circuit protective devices may be fuses or “HACR” type circuit breakers.
- If non-standard fuse size is specified, use next size larger standard fuse size.
- Largest motor load is included in single circuit or circuit 1 of multiple circuits.
- J Voltage (230V) single phase air handler is designed to be used with single or three phase 230 volt electric heaters. In the case of connecting 3 phase power to air handler terminal block without the heater, bring only two leads to terminal block, cap, insulate and fully secure the third lead.